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PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert Horning et al.

Examiner: Unknown

Serial No. 10/713,329

Group Art Unit: Unknown

Filed: November 13, 2003

Confirmation No.: Unknown

For: A METHOD FOR MAKING DEVICES USING INK JET PRINTING

Docket No.: H0004726 (1016.1139101)

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

Mail Stop Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

CERTIFICATE UNDER 37 C.F.R. 1.8: I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on this 6th day of August, 2004.

By: _____

Brian N. Tufte

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F. R. §1.98(a)(2), a copy of each non-US patent document or other information listed on the enclosed Form 1449 is provided.

No representation is intended to be made hereby that any of the cited references establishes, by itself or in combination with other information, a prima facie case of unpatentability of any claim of the present case.

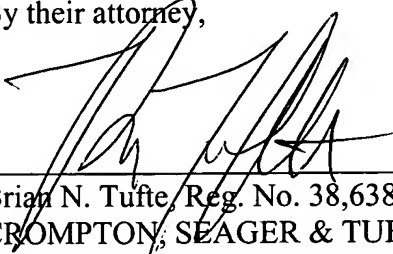
Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Respectfully submitted,

Robert Horning

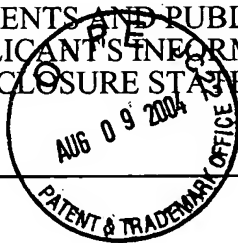
By their attorney,

Dated: August 6, 2004



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Page 1 of 3	FORM PTO-1449		Atty. Docket No.: H0004726 (1016.1139101)	Serial No.: 10/713,329
	LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		Applicant:	
Robert Horning et al.				
Filing Date:			Group Art:	
November 13, 2003			Unknown	



U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation Yes No

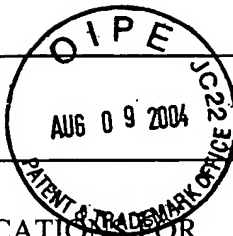
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	Beeson et al., "Thermal inkjet technology-review and outlook," Hewlett Packard Company, 6 pages, printed prior to filing date.
	Beeson, "Thermal Inkjet: Meeting the Applications Challenge," Hewlett Packard Company, 4 pages, printed prior to filing date.
	Benett et al., "Precision Industrial Ink Jet Printing Technology for Full Color PLED Display and TFT-LCD Manufacturing," 3 pages printed, printed prior to filing date.
	Calvert et al., "Multilayer Inkjet Printing of Biopolymers, OLED's and Other Devices," 5 pages, printed prior to filing date.
	Calvert, "Inkjet Printing for Materials and Device," American Chemical Society, pages 3299-3305, 2001.
	Cooley et al., "Applications of Ink-Jet Printing Technology to BioMEMS and Microfluidic Systems," JALA Vol. 7 No. 5, Pages 33-39, October/November 2002.
	Cox et al., "Microjet Printing of Micro-Optical Interconnects," Int. J. Microcircuits & Elect. Packaging Vol. 23 No.3, pages 1-7, 2000.
	Cox et al., "Micro-jet Printing of Refractive Microlenses," OSA Diffractive Optics and Micro-Optics Topical Meeting, 4 pages, June 1998.
	Cox et al., "Micro-Optics Fabrication by Ink-Jet Printing," Optics & Photonics News, Page 32-35, June 2001.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



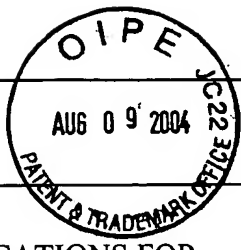
Page 2 of 3	FORM PTO-1449	Atty. Docket No.: H0004726 (1016.1139101)	Serial No.: 10/713,329
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		Applicant:	
		Robert Horning et al.	
		Filing Date:	Group Art:
		November 13, 2003	Unknown

	Friend, "Plastic Electronics," 10 pages. Printed 2/2004.
	Grove et al., "Color Flat Panel Manufacturing Using Ink Jet Technology," MicroFab Technologies, Inc., Pages 1-4, 1999.
	Hayes et al., "Applications of Ink Jet Technology to Microelectronic Packaging," ISHM '89, Pages 627-634, 1989.
	Hayes et al., "Low-Cost Display Assembly and Interconnect Using Ink-Jet Printing Technology," MicroFab Technologies, Inc., Pages 1-4, 1999.
	Hayes et al., "Micro-Jet Printing of Polymers and Solder for Electronics Manufacturing," Journal of Electronic Manufacturing, Vol.8 Nos. 3 & 4, Pages 209-216, September & December 1998.
	Hayes et al., "Printing System for MEMS Packaging," Proceedings, SPIE Conference on Micromachining and Microfabrication, Pages 1-9, October 2001.
	Hebner et al., "Ink-jet printing of doped polymers for organic light emitting devices," American Institute of Physics Volume 72, Number 5, pages 519-521 February 2, 1998.
	http://www.smalltimes.com , "Small Times: News about MEMS, Nanotechnology and Microsystems, Smalltimes, Pages 1-3, Printed February 18, 2004
	MacFarlane et al., "Mircojet Fabrication of Microlens Arrays," IEEE Photonics Technology Letters Vol. 6 No. 9, Pages 1112-1114, September 1994.
	Mattill, "Print Your Next PC," MIT Technogly Review, 5 pages, 2000.
	Molesa et al., "High-quality inkjet-printed multilevel interconnects and inductive components on plastic for ultra-low-cost RFID Applications," Mat.Res.Soc.Symp.Proc.Vol. 769, pages H.8.3.1-H.8.3.6, 2003.
	Paul et al., "Effective Jet Printing of Organic Semiconducting Polymers," Mat.Res. Soc. Symp. Proc. Vol.769, pages 151-156, 2003.
	Ready et al., "Jet Printing for Large Area Electronics," IS&T's NIP18, Pages 429-432, 2002.
	Scott, "Flexible Displays & Electronics Workshop Case Study-Ink Jet Printing," Patterning Technologies Limited, 3 Pages, April 8, 2003.
	Shah et al., "Fabrication of Passive Elements using Ink-Jet Technology," IMAPS ATW on Passive Integration, Pages 1-6, June 2002.
	Shah et al., "Trimming and Printing of Embedded Resistors Using Demand-Mode Ink-Jet Technology and Conductive Polymer," MicroFab Technologies, Inc., Pages 1-5, 2002.
	Wallace, "Automated Electronic Circuit Manufacturing Using Ink-Jet Technology," Journal of Electronic Packaging, Vol. 111, Pages 108-111, June 1989.

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Page 3 of 3 FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: H0004726 (1016.1139101)	Serial No.: 10/713,329
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	Robert Horning et al.	
	Filing Date: November 13, 2003	Group Art: Unknown

		Wong et al., "Amorphous silicon thin-film transistors and arrays fabricated by jet printing," Applied Physic Letters, Vol. 80 Number 4, Pages 610-612, January 28, 2002.
		Wong et al., "Jet-printed fabrication of a-Si:H thin-film transistors and arrays," Journal of Non-Crystalline Solids, Pages 1335-1339, 2002.
		www.plasticlogic.com , "Plastic Logic Technology Tour," Plastic Logic Limited, 5 pages, printed prior to filing date.

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PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031
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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/713,329
Filing Date	November 13, 2003
First Named Inventor	Robert Horning
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	H0004726 (1016.1139101)

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

RemarksForm PTO 1449
29 cited Non-U.S. patent/publication references
Return Postcard**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Brian N. Tufte Reg No. 38,638
Signature	
Date	August 6, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Lynn Thompson		
Signature		Date	August 6, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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